

I claim:

1. A hand-releasable leveler kit for a ladder, comprising:
 - (a) a ladder leveler with a mating structure that engagingly and hand-releasably mates with a ladder leveler attachment base, and
 - (b) a ladder leveler attachment base having a ladder rail mating surface for attachment to a ladder rail and, opposite the mating surface, a leveler attachment structure that engagingly and hand-releasably mates with the ladder leveler.
2. The kit of claim 1 further comprising a locking pin that, when inserted, locks the leveler to the attachment base.
3. A method of attaching to a ladder a leveler that is hand-releasable, comprising:
 - (a) procuring a ladder having, at a lower end of each rail on an outer surface, a leveler attachment structure adapted for hand releasably engaging a hand-releasable ladder leveler; and
 - (b) releasably attaching to one of the leveler attachment structures the hand-releasable ladder leveler.
4. The method of claim 3 further comprising actuating a locking device that locks the leveler to the attachment base.
5. A hand-releasable ladder leveler, comprising:
 - (a) a leveler having a side for coupling with a ladder, the leveler defining six directions of up and down along the leveler, in toward the side for coupling with a ladder and out away from the side for coupling with a ladder, and left and right perpendicular to the up/down and in/out directions;
 - (b) on the leveler, directed to the side for coupling with a ladder, a leveler mating structure comprising mating surfaces oriented with respect to each other so that a leveler attachment structure is restrained by the mating surfaces against movement with respect to the leveler in five of the six directions; and
 - (c) a catchment surface that restrains the leveler attachment structure against movement in the sixth direction until a hand-releasable release is actuated to allow movement in the sixth direction which releases the leveler attachment structure.
- 6.. The ladder leveler of claim 5 wherein the sixth direction is up.

7. The ladder leveler of claim 5 wherein the sixth direction is one of left or right.
8. The ladder leveler of claim 5 wherein the sixth direction is one of down or out.
9. The ladder leveler of claim 5 wherein the catchment surface is a surface of a retained, hand-movable latch on the leveler.
10. The ladder leveler of claim 5 wherein the catchment surface is a surface that catches a movable latch on the ladder.
11. The ladder leveler of claim 5 wherein the leveler mating surfaces comprise at least one slot that receives a leveler attachment structure.
12. The ladder leveler of claim 5 wherein the leveler attachment surfaces comprise at least one protrusion that receives a leveler attachment structure.
13. The ladder leveler of claim 12 wherein the protrusion is a knob.
14. The ladder leveler of claim 5 further comprising a safety lock that locks the leveler to the ladder.
15. The ladder leveler of claim 14 wherein the safety lock is a locking pin.
16. A leveler attachment base for a ladder, comprising:
 - (a) a base with a flat ladder rail mating surface, at least 1 inch wide by 8 inches high, with at least two ladder rail attachment points;
 - (b) each base defining six directions of up and down along the rail mating surface, in toward the rail mating surface and out away from the rail mating surface, and left and right perpendicular to the up/down and in/out directions, each base having an outside opposite the rail mating surface;
 - (c) on the base, directed to the outside of the base, leveler attachment surfaces oriented with respect to each other so that a leveler mating structure is restrained by the attachment surfaces against movement with respect to the base in five of the six directions; and
 - (d) a catchment surface that restrains the leveler mating structure against movement in the sixth direction until a release is actuated to allow movement in the sixth direction which releases the mating structure.
17. The leveler attachment base of claim 14 wherein the sixth direction is down.

17. The leveler attachment base of claim 14 wherein the sixth direction is down.
18. The leveler attachment base of claim 14 wherein the sixth direction is one of left or right.
19. The leveler attachment base of claim 14 wherein the sixth direction is one of up or out.
20. The leveler attachment base of claim 14 wherein the catchment surface is a surface of a retained, hand-movable latch on the base.
21. The leveler attachment base of claim 14 wherein the catchment surface is a surface that catches a movable latch on the leveler.
22. The leveler attachment base of claim 14 wherein the leveler attachment surfaces comprise at least one slot that receives a mating structure of a leveler.
23. The leveler attachment base of claim 14 wherein the leveler attachment surfaces comprise at least one protrusion that mates with a mating structure of a leveler.
24. The leveler attachment base of claim 23 wherein the protrusion is a knob.
25. The leveler attachment base of claim 14 further comprising a safety lock that locks the leveler to the attachment base.
26. The leveler attachment base of claim 25 wherein the safety lock is a locking pin.
27. A ladder with leveler attachment structures, comprising:
 - (a) a ladder with two parallel rails connected by rungs, each rail defining six directions of up and down along the rail, in toward the rungs and out away from the rungs, and left and right perpendicular to the up/down and in/out directions, each rail having a bottom portion at least two feet long, an inside facing the rungs, and an outside opposite the inside;
 - (b) on the bottom portion of each rail, directed to the outside of each rail, a leveler attachment structure comprising attachment surfaces oriented with respect to each other so that a leveler mating structure is restrained by the attachment surfaces against movement with respect to the rail in five of the six directions; and

(c) a catchment surface that restrains the leveler mating structure against movement in the sixth direction until a release is actuated to allow movement in the sixth direction which releases the mating structure.

28. The ladder of claim 25 wherein the sixth direction is down.

29. The ladder of claim 25 wherein the sixth direction is one of left or right.

30. The ladder of claim 25 wherein the sixth direction is one of up or out.

31. The ladder of claim 25 wherein the catchment surface is a surface of a hand-movable, retained latch on the ladder.

32. The ladder of claim 25 wherein the catchment surface is a surface that catches a movable latch on the leveler.

33. The ladder of claim 25 wherein the leveler attachment surfaces comprise at least one slot that receives a mating structure of a leveler.

34. The ladder of claim 25 wherein the leveler attachment surfaces comprise at least one protrusion that mates with a mating structure of a leveler.

35. The ladder of claim 34 wherein the protrusion is a knob.

36. The ladder of claim 25 further comprising a safety lock that locks the leveler to the ladder.

37. The ladder of claim 36 wherein the safety lock is a locking pin.

38. The ladder of claim 33 wherein the slot is in a plate attached to the ladder rail on the outside of the bottom portion.

29. The ladder of claim 33 wherein the slot is in a plate that is a part of the ladder rail.